

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 02/03/2016 12:47 PM
Cytometer Baseline: 10/21/2015 09:33 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125716	0	1.47	125580	1.42
Blue	F	SSC	125000	123905	-1	3.29	124852	3.07
Blue	E	FITC	17224	16724	-3	2.44	944	7.94
Blue	D	PE	22462	21892	-3	2.10	988	7.06
Blue	B	PerCP-Cy5-5	63940	62677	-2	2.75	1660	11.89
Blue	A	PE-Cy7	72480	71743	-2	3.71	947	22.28
Red	C	APC	63778	63201	-1	2.32	3573	7.43
Red	A	APC-Cy7	97254	96358	-1	2.35	1910	7.18
Violet	B	V450	10730	10458	-3	3.22	647	7.20
Violet	A	V500	42147	40420	-5	2.77	2286	5.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20151	2.07	574	-46	N/A	N/A	Pass
Blue	F	SSC	61912	2.10	504	-23	N/A	N/A	Pass
Blue	E	FITC	102	31.65	512	-27	0.0322	58	Pass
Blue	D	PE	204	21.66	506	-26	0.2245	124	Pass
Blue	B	PerCP-Cy5-5	203	34.34	590	-24	0.0135	0	Pass
Blue	A	PE-Cy7	72	84.72	646	-27	0.0185	2	Pass
Red	C	APC	336	23.53	573	-11	0.0252	0	Pass
Red	A	APC-Cy7	121	33.08	555	-10	0.0058	369	Pass
Violet	B	V450	69	34.10	447	-27	0.0561	1164	Pass
Violet	A	V500	150	19.31	475	-28	0.0161	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-35.90	-35.60	0.70
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.15
Red	15.00	11.44 - 17.16	N/A	N/A	36.39	36.58	1.01

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9799

Fluidics

FACSFlow Pressure: 3.00
Spec.: 2.90 - 3.10
Sample Pressure: 2.80

Comments